

## COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS

## TRENCH EXCAVATION AND BACKFILL

DATE: JULY, 2005 NTS PLATE **U-29** (41-2)

## **NOTES:**

1. UNLESS OTHERWISE APPROVED, MINIMUM COVERAGE FROM TOP OF PIPE TO FINISH GRADE SHALL BE AS FOLLOWS:

SEWER 36 IN.
WATER 30 IN.
CULVERTS 18 IN.
STORM DRAINS 18 IN.
OTHER UTILITIES 30 IN.

- 2. IN WET OR ROCKY MATERIAL, THE DEPTH OF TRENCH BEDDING SHALL BE INCREASED TO THE LARGER OF EITHER 6 IN. OR 1/4 DIA.
- 3. FOR CULVERTS/STORM DRAINS, THE MINIMUM DISTANCE BETWEEN THE SIDE OF THE TRENCH AND THE SIDE OF THE PIPE SHALL BE 12 IN.
- 4. MINIMUM COMPACTION REQUIREMENTS (SEE SECTION 19-3.06 OF THE PLACER COUNTY GENERAL SPECIFICATIONS).
  - A. WITHIN ROADWAY PRISM—
    BEDDING/INITIAL BACKFILL 95%
    INTERMEDIATE BACKFILL 92%
    B. OUTSIDE ROADWAY PRISM—
    BEDDING/INITAL BACKFILL 90%
    INTERMEDIATE BACKFILL 90%

- 5. IN AREAS WITH MINIMUM COVER, INTERMEDIATE BACKFILL SHALL BE CLASS 2 AGGREGATE BASE.
- 6. IN AREAS OF NATURAL VEGETATION OR LANDSCAPING, REMOVE TOP 12 IN. OF MATERIAL, STOCKPILE & REPLACE IN A MOUND PER PLATE U-26.1, TYPE 4 AND PLATE U-26.2, TYPE D.
- 7. ALL LANDSCAPING CONDUITS WITHIN THE ROADWAY PRISM AND/OR TRAFFIC AREAS MUST HAVE MINIMUM OF 30 INCHES COVER. MINIMUM COVER WITHIN COUNTY R/W BUT OUTSIDE THE ROADWAY AND TRAFFIC AREAS SHALL BE AS FOLLOWS:

LOW VOLTAGE ELECTRICAL CONDUITS 24 IN. MIN PRESSURIZED WATERLINES 24 IN. MIN NONPRESSURIZED (DISCHARGED) LATERALS 12 IN. MIN

- 8. COMPACTION TESTING WITHIN THE PIPE ZONE (BOTTOM OF TRENCH TO 12 IN. ABOVE CONDUIT(S)) SHALL BE PERFORMED BY TESTING LAB AS APPROVED BY THE COUNTY OR DONE BY THE COUNTY AND REIMBURSED BY THE APPLICABLE DEVELOPER OR UTILITY COMPANY.
- 9. SHOVEL SLICE BEDDING MATERIAL UNIFORMLY UNDER PIPE IN HAUNCH AREA. SHOVEL SLICING SHALL BE COMPLETED BEFORE THE BEDDING IS BROUGHT UP TO THE PIPE SPRINGLINE AND PREFERABLY WHEN IT IS NO HIGHER THAN THE QUARTER POINT OF THE PIPE.